

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An audio/video (A/V) system comprising:
one or more function-extending modules, each function-extending module capable of sending and/or receiving A/V data and storing control information for the function-extending module;
a module rack into which the function-extending modules are detachably inserted; and
a base module for receiving the control information from the function-extending modules mounted in the module rack, displaying the control information, and, if a user input according to the displayed control information is received, sending the user input to a corresponding function-extending module and ~~reproducing~~ receiving source A/V data provided by the function-extending module in response to the sent user input.
2. (original): The A/V system of claim 1, wherein each function-extending module stores an index page as control information and the base module has a browser for displaying a main page in which selection information for the function-extending modules is displayed, requesting an index page to a function-extending module selected through the main page, displaying the requested index page, and sending a user input, which is input through the index page, to the selected function-extending module.
3. (original): The A/V system of claim 2, wherein the selection information is provided from the function-extending modules and display in the main page.
4. (currently amended): The A/V system of claim 2, wherein the function-extending module comprises:

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a communications interface unit for communicating with the base module;
a memory unit for storing an Internet protocol (IP) address and the index page;
a signal processing unit for processing source A/V data; and
a control unit for providing the IP address and index page to the base module, and
controlling the function-extending module so that the source A/V data, which is processed by the
signal processing unit in response to a user input received by the base module, is sent to the base
module through the communications interface unit.

5. (original): The A/V system of claim 4, wherein the communications interface unit is
an IEEE1394 interface unit, and the signal processing unit has a transport stream processing unit
for converting the A/V data into an MPEG transport stream and outputting the MPEG transport
stream to the IEEE1394 interface unit.

6. (original): The A/V system of claim 4, wherein the base module comprises:
a memory unit storing the browser;
a control unit for receiving the IP address from the function-extending module inserted
into the module rack and activating the browser;

a user input unit for receiving a user input to the browser;
a signal processing unit for dividing the source A/V data received through the
communications interface unit into audio data and video data and processing
respective data;
an audio output unit for outputting audio data processed by the signal processing unit;
and
a video output unit for outputting video data processed by the signal processing unit.

7. (original): The A/V system of claim 6, wherein the signal processing unit further has
a mixing unit for making image data or text data overlap with video data and outputting the
overlapped data to the video processing unit.

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8. (original): The A/V system of claim 6, wherein the communications interface is an IEEE1394 interface unit.

9. (original): The A/V system of claim 6, wherein the function-extending module is one of a digital broadcast receiving module, a digital satellite broadcast receiving module, a cable broadcast receiving module, a digital versatile video (DVD) module, a digital video cassette recorder (DVCR) module, a game module, an Internet access module, a hard disc drive module, and a combination of at least two among these modules.

10. (original): The A/V system of claim 1, wherein the function-extending module comprises:

a communications interface unit for communicating with the base module;
a memory unit for storing an IP address and an index page as the control information; and
a control unit for providing the IP address and index page to the base module and controlling the function-extending module so that source A/V data in response to a user input received by the base module is sent to the base module through the communications interface unit.

11. (original): The A/V system of claim 10, wherein the source A/V data is stored in the memory unit.

12. (original): The A/V system of claim 10, wherein the communications interface unit is an IEEE1394 communications interface module.

13. (original): The A/V system of claim 10, wherein the function-extending module and the base module adopt a TCP/IP protocol for client-server communications.

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14. (original): A function-extending module, which is detachably inserted into a module rack so that the function-extending module communicates with a base module capable of reproducing A/V data, the function-extending module capable of sending and receiving the A/V data, storing control information for controlling the function-extending module, and, if inserted into the module rack, providing the control information to the base module and sending source A/V data corresponding to a user input, which is received from the base module, to the base module.

15. (original): The function-extending module of claim 14, wherein an index page is stored as the control information in the function-extending module, and the base module has a browser for displaying a main page, in which selection information for the function-extending modules is displayed, requesting an index page to a function-extending module selected through the main page displaying the index page, and sending a user input, which is input through the index page, to the selected function-extending module.

16. (original): The function-extending module of claim 15, wherein the function-extending module comprises:

- a communications interface unit for communicating with the base module;
- a memory unit for storing an IP address and an index page as the control information; and
- a control unit for providing the IP address and index page to the base module, and controlling the function-extending module so that source A/V data in response to a user input received from the base module, is sent to the base module through the communications interface unit.

17. (original): The function-extending module of claim 16, wherein the source A/V data is stored in the memory unit.

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18. (original): The function-extending module of claim 16, wherein the communications interface unit is an IEEE1394 interface unit.

19. (original): The function-extending module of claim 16, wherein the function-extending module is one of a digital broadcast receiving module, a digital satellite broadcast receiving module, a cable broadcast receiving module, a digital versatile video (DVD) module, a digital video cassette recorder (DVCR) module, a game module, an Internet access module, a hard disc drive module, and a combination of at least two among these modules.

20. (new): The A/V system of claim 1, wherein said A/V data is a digital data.

21. (new): The A/V system of claim 20, wherein the digital A/V data is an MPEG transport stream.

22. (new): The A/V system of claim 21, wherein said base module reproduces said MPEG transport stream.

23. (new): The A/V system of claim 1, wherein said base module communicates with said function-extending modules according to an Internet based communication protocol.

24. (new): The function-extending module of claim 14, wherein said base module communicates with said function-extending modules according to an Internet based communication protocol.

25. (new) An audio/video (A/V) system comprising:
a module rack adapted for detachably receiving one or more function-extending modules;
and

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a base module for receiving the control information, and, if user input according to the displayed control information is received, sending the user input to a corresponding function-extending module and receiving said A/V data provided by the function-extending module in response to the sent user input.

26. (new) The A/V system of claim 25, wherein said base module communicates with said function-extending modules according to an Internet based communication protocol.

27. (new): The A/V system of claim 24, wherein each function-extending module stores an index page as control information and the base module has a browser for displaying a main page in which selection information for the function-extending modules is displayed, requesting an index page to a function-extending module selected through the main page, displaying the requested index page, and sending a user input, which is input through the index page, to the selected function-extending module.

28. (new): The A/V system of claim 27, wherein the selection information is provided from the function-extending modules and display in the main page.

29. (new): The A/V system of claim 27, wherein the function-extending module comprises:

- a communications interface unit for communicating with the base module;
- a memory unit for storing an Internet protocol (IP) address and the index page;
- a signal processing unit for processing source A/V data; and
- a control unit for providing the IP address and index page to the base module, and controlling the function-extending module so that the source A/V data, which is processed by the signal processing unit in response to a user input received by the base module, is sent to the base module through the communications interface unit.

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30. (new): The A/V system of claim 29, wherein the communications interface unit is an IEEE1394 interface unit, and the signal processing unit has a transport stream processing unit for converting the A/V data into an MPEG transport stream and outputting the MPEG transport stream to the IEEE1394 interface unit.

31. (new): The A/V system of claim 29, wherein the base module comprises:
a memory unit storing the browser;
a control unit for receiving the IP address from the function-extending module inserted into the module rack and activating the browser;
a user input unit for receiving a user input to the browser;
a signal processing unit for dividing the source A/V data received through the communications interface unit into audio data and video data and processing respective data;
an audio output unit for outputting audio data processed by the signal processing unit;
and
a video output unit for outputting video data processed by the signal processing unit.

32. (new): The A/V system of claim 31, wherein the signal processing unit further has a mixing unit for making image data or text data overlap with video data and outputting the overlapped data to the video processing unit.

33. (new): The A/V system of claim 31, wherein the communications interface is an IEEE1394 interface unit.

34. (new): The A/V system of claim 31, wherein the function-extending module is one of a digital broadcast receiving module, a digital satellite broadcast receiving module, a cable broadcast receiving module, a digital versatile video (DVD) module, a digital video cassette

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recorder (DVCR) module, a game module, an Internet access module, a hard disc drive module, and a combination of at least two among these modules.

35. (new): The A/V system of claim 26, wherein the function-extending module comprises:

- a communications interface unit for communicating with the base module;
- a memory unit for storing an IP address and an index page as the control information; and
- a control unit for providing the IP address and index page to the base module and controlling the function-extending module so that source A/V data in response to a user input received by the base module is sent to the base module through the communications interface unit.

36. (new): The A/V system of claim 35, wherein the source A/V data is stored in the memory unit.

37. (new): The A/V system of claim 35, wherein the communications interface unit is an IEEE1394 communications interface module.

38. (new): The A/V system of claim 35, wherein the function-extending module and the base module adopt a TCP/IP protocol for client-server communications.

39. (new): A method, comprising:

- using a function-extending module, detachably inserted into a module rack, to send and/or receive A/V data and to store control information for the function-extending module; and
- using a base module to receive the control information from the function-extending module, to display the control information, and, if a user input according to the displayed control information is received, to send the user input to a corresponding function-extending module and

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to receive source A/V data provided by the function-extending module in response to the sent user input.

40. (new): A method, comprising:

using a function-extending module, detachably inserted into a module rack, to send and/or receive A/V data to/from a base module capable of reproducing A/V data, to store control information for controlling the function-extending module, to provide the control information to the base module, and to send source A/V data corresponding to a user input, which is received from the base module, to the base module.

41. (new): A method, comprising:

using a base module to receive the control information from a function-extending module detachably mounted in the module rack, to display the control information, to receive a user input according to the displayed control information is received, to send the user input to the function-extending module and to receive source A/V data provided by the function-extending module in response to the sent user input.